

- 1717 ~~eremia~~ *Chloraea* sp.
 1718 ~~eremia~~ *Bipinnula plumosa* Lindl.
 1719 *Agoseris* (*Troximar chilense* Gray)
 1720 " " "
 1720b *Microseris pygmaea* Don
 1721 *Senecio* sp. ~~sterile~~ sterile
 1722 *Adesmia* sp.
 1723 *Lathyrus subandinus* Ph.
 1724 *Cerastium arvense* L.
 1725 *Alstroemaria* sp.
 1726 ~~Brodiaea~~ *Brodiaea violacea* (Kunth) Baker
 1727 *Leucocoryne montana* Ph.
 1728 *Tropaeolum brachyceras* H. & A.
 1729 *Oxalis micrantha* Bertero
 1730 *Sisyrinchium* ~~Sisyrinchium~~ sp.
 1731 *Sisyrinchium* sp.
 1732 *Senecio* sp.
 1733 *Baccharis rosmarinifolia* H. & A.
 1734 *Stachys sericea* Cav.
 1735 ~~Rhus~~ *Schinus* sp.
 1736 *Azara Gilliesii* H. & A.
 1737 ~~umbel~~ *Torilis nodosa* (L.) Gaertn.
 1738 *Galium suffruticosum* H. & A.
 1739 *Polemonium gayanum* (Wedd.) Brand
 1740 *Colletia spinosa* Lam.
 1741 ~~umbel~~ *Diposis bulbocastanum* DC.
 1742 *Loasa tricolor* Res, var.
 1743 *Bowlesia runcinata* Colla
 1744 ~~rose~~ *Kageneckia angustifolia* Don.
 1745 *Baccharis concava* DC.

- 1746 *Senecio glabratus* ~~Hort~~
 1747 *Tetragonia expansa* Murr.
 1748 *Dioscorea* sp. no flowers nor fruit.
 1749 ~~Bordea~~ *Brodiaea subbiflora* (Calla) Baker
 1750 ~~Brodiaea~~ *Brodiaea parvifolia* (Poepp.) Meigen
 1751 ~~Gilliesia~~ *Gilliesia graminea* Lindl.
 1752 *Lobelia polyphylla* ~~Hort~~
 1753 *Mathewsia foliosa* ~~Hort~~
 1754 ~~Garcia~~ *Carica chilensis* (Planch.) Solms-Laub.
 1755 *Baccharis concava* DC.
 1756 ~~capit~~ *Chiropteron tricuspidatum* (Lam.) Juss.
 1757 *Griselinia scandens* (R. & P.) Tamb.
 1758 *Solanum* sp.
 1759 ~~cupress~~ *Mercurialis annua* L.
 1760 *Solanum marginatum* L.
 1761 *Chenopodium ambrosioides* L.
 1762 *Rumex cuneifolius* Campd.
 1763 *Oxalis cernua* Thunb.
 1764 *Erodium moschatum* (L.) l'Herit.
 1765 *Ranunculus muricatus* L.
 1766 ~~Stellaria~~ *Stellaria cuspidata* Willd.
 1767 *Dioscorea Bridgesii* Greene.
 1768 ~~amar~~ *Hippiastrum*
 1768 *Plantago* sp.
 1769 *Godetia tenella* (Cav.) Steud.
 1770 ~~car~~ *Polycarpum tetraphyllum* L.
 1771 *Trifolium glomeratum* L.
 1772 *Cheetenthera incana* Poepp.
 1773 ~~Pentstemon~~ *Cardionema maximum* (Vernum.) Nels. & Macbr.
 1774 *Aplopappus chrysanthemifolius* (Less.) DC.

- ✓ 1775 *Lycium chilense* Miels
1776 *Loasa tricolor* Ker, var.
1777 *Baccharis Macraei* H & A.
1778 *Stachys sericea* Cav.
1779 *Azara Gilliesii* H & A
1780 *Aplopappus* sp.
1781 *Psilocarphus chilensis* (Penny) Reiche.
1782 *Atriplex coquimbana* V. Ph.
1783 *Heliotropium curassavicum* L.

continued in no 1907

- 1907 Baccharis *Pingraea* DC.
- 1908 Frankenia *salina* (Mol.) Johnston
- 1909 Amaranthus sp. Very interesting plant - but specimen poor.
- 1910 ~~oncid~~ *Bipinnula fimbriata* (Poepp.) Johnston
- 1911 Azorella sp. no flowers nor fruit
- 1912 Aplopappus *integerrimus* (H. & A.) Hall
- 1913 Verbena *sulphurea* Don
- 1914 ~~Salpiglossis~~ *Salpiglossis sinuata* R. & P.
- 1915 ~~Dactyloctenium~~ *Paspalum dasypleurum* Kunze
- 1916 ~~grasses~~ *Panicum Urvilleanum* Kunth.
- 1917 Galium *cotinoides* C. & S.
- 1918 Eragrostis *peruviana* (Jacq.) Trin.
- 1919 *Paspalum flavum* Presl

- 2589 *Nolana villosa* (Ph.) Johnston
2590 *Nolana aplocaryoides* (Gaud.) Johnston
2591 *Heliotropium pycnophyllum* Ph.
2592 *Cristaria integerrima* Ph.
2593 *Frankenia chilensis* Presl, var. *asper* (Ph.) Johnston
2594 *Nolana*
2595 *Nolana mollis* (Ph.) Johnston
2596 *Nolana ramosissima* ?
2597 *Nolana salsoloides* (Lindl.) Johnston
2598 *Nolana sedifolia* Poeppig
2599 *Polyachyrus roseus* Ph.
2600 *Ophryosporus triangularis* Meyen
2601 *Chenopodium hastatum* Ph.
2602 *Tetragonia maritima* Barn.
2603 *Euphorbia lactiflua* Ph.
2604 *Heliotropium Jaffuelii* Johnston — data incorrect?
2605 *Spergularia* sp.
2606 *Sappiglossis*
2607 *Silvaea amarentoides* Ph.
2608 *Verbena atacamensis* Reiche
2609 *Cephalophora litoralis* Ph.
2610 unrecognized. Plant too fragmentary
2611 *Perityle Emoryi* Torr. var. *elata* (Ph.) Johnston
2612 *Adesmia eremophila* Ph.
2613 *Gypothamnium pinifolium* Ph.
2614 *Teucrium nudicaule* Hook.
2615 *Nolana*
2616 *Puya boliviensis* Baker
2617 *Oxalis*

make clear copy
Plants from Antofagasta collected by Father Jaffuel, Nov. 6, 1931.

determined by I. M. Johnston

- 2618 Gymnophyton *foliosum* Ph.
2619. Perityle Emoryi Torr. var. elata (Ph.) Johnston
2620 Nolana peruviana (Gaud.) Johnston
2621 Dinemandra ericoides Juss.
2622 Diphryosporus triangularis Meyen
2623 Ephedra sp. no fruit.
2624 Nolana sp. = no. 2643.
2625 Nolana *inconspicua* Johnston mixed with *N. linearifolia* Ph.
~~2626 Nolana *aplocaryoides* (Gaud.) Johnston~~
2627 Frankenia chilensis Presl var. asper (Ph.) Johnston
2628 Cruckshanksia pumila Clos
2629 Alstroemeria violacea Ph.
2630 Solanum brachyantherum Ph.
2631 Quinchamalium carnosum Ph.
2632 ~~Loasa~~ Loasa sessiliflora Ph.
2633 Domeykoa oppositifolia Ph.
2634 Quinchamalium?
2535 Schizanthus lacteus Ph.
2636 Loasa chilensis (Gay) Urb. — new to Nitrate Coast!
2637 Gymnophyton *foliosum* Ph.
2638 Hoffmanseggia gracilis (R. & P.) H. & A.
2639 Heliotropium *crenatum* n.sp.
2640 Nolana sedifolia (Poepp.) Johnston
2641 Tetragonia maritima Barn.
2642 Polyachyrus roseus Ph.
2643 Nolana sp. apparently undescribed.

2998
2714

284

Copy

- 2644 Paronychia *coquimbensis* Gay
- 2645 Chenopodium *sp.*
- 2646 Galium *sp.* no fruit.
- 2647 Spergularia *fruticosa* Ph.
- 2648 caryop
- 2649 Cardionema *ramosissima* (Weenm.) Nels. & Macbr.
- 2650 Senecio *Brunonianus* H. & A.
- 2651 Nolana *sedifolia* Poepp.
- 2652 Malesherbia *humilis* Don
- 2653 Malvastrum *peruvianum* (L) Gray
- 2554 Bahia *ambrosioides* Lag.
- 2655 ~~hemp~~ *Amsinckia hispida* (R. & P.) Johnston + *Cryptantha clandestina* (Trev.) Johnston x *Cryptantha linearis* (Colla) Greene
- 2656 Calandrinia *capitata* H. & A.
- 2657 Oenothera *contorta* Dougl.
- 2658 ~~lyth~~ *Pleuraphora pusilla* H. & A.
- 2659 Cerastium *viscosum* L.
- 2660 ~~phitol~~ *Amsomeria littoralis* Moq.
- 2661 Pectocarya *linearis* (R. & P.) DC
- 2662 Stachys *eremicola* Epling
- 2663 Medicago *hispida* Gaertn. var.
- 2664 Erodium *moschatum* L'Her.
- 2665 " *botrys* (var.) Bert.
- 2666 " " " "
- 2667 Carex *setifolius* Kunze
- 2668 ~~comp~~ *Soliva sessilis* R. & P.
- 2669 Calandrinia *capitata* H. & A.
- 2670 Dichondra *repens* Forst.
- 2671 Spergularia *coquimbensis* Ph.
- 2672 Calandrinia *sp.* inadequate material
- 2673 " *sp.* " "

- 2674 *Aplopappus* sp.? no flowers.
 2675 *Oxalis micrantha* Bertero
 2676 *Gnaphalium sphacelatum* HBK. var. *chilensis* DC.
 2677 *Cristaria Urmenetae* Ph.
 2678 ~~Sphaeralcea~~ *Sphaeralcea obtusiloba* (Hook.) Don
 2679 *Oenothera coquimbensis* Gay
 2680 *Plantago littorea* Phil.
 2681 *Gnaphalium heterophyllum* Phil.
 2682 *Psilocarphus chilensis* (Remy) Reiche
 2683 *Convolvulus dissectus* Cav.
 2684 *Cephalophora Urmenetae* Phil.
 2685 *Solanum* sp.
 2686 *Heliotropium stenophyllum* H. & A.
 2687 *Ophryosporus triangularis* Meyen
 2688 *Amblyopappus pusilla* H. & A.
 2689 *Chaetanthera linearis* Poepp.?
 2690 ~~polygon~~ *Lastarriaea chilensis* Remy
 2691 ~~comp~~ *Moscharia pinnatifida* R. & P.
 2692 *Chiropetalum Berteroana* Schlect.
 2693 *Cassia Closiana* Ph.
 2694 *Verbena sulphurea* Don
 2695 - - - - -
 2696 *Nicotiana* sp.
 2697 *Gilia laciniata* R. & P.
 2698 *Senecio glanduloso-hirtellus* Reiche
 2699 " sp.
 2700 *Parietaria debilis* Forst.
 2701 *Oxalis micrantha* Bertero
 2702 *Llagunoa glandulosa* (H. & A.) Don.
 2703 *Erigeron Berterianus* DC.

- 2704 *Silene gallica* L.
 2705 ~~Medicago~~ *Melilotus indica* (L.) All.
 2706 *Aristolochia chilensis* Miers
 2707 *Adesmia* ~~or *Astragalus*~~ cf. no. 2711
 2708 *Leucocoryne ixiodides* (Hook.) Lindl.
 2709 *Microseris pygmaea* Don.
 2710 *Gnaphelium cymatoides* Kunze
 2711 *Adesmia Smithii* DC.
 2712 *Linaria texana* Scheele
 2713 ~~soroph~~ *Alonsoa incisaeifolia* R. & P.

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(2714 → ...)

Plants of Concepcion collected by Father Jaffuel in 1931

- 2896 Plantago *sp.*
 2897 Plantago lanceolata L.
 2898 Geranium *sp.*
 2899 ~~Eryngium~~ Sherardia arvensis L.
 2900 Valeriana *sp.*
 2901 Viola capillaris Pers.
 2902 Valeriana *crispa* R. & P.
 2903 Ranunculus chilensis DC.
 2904 Solanum *sp.*
 2905 ~~Loranth~~ Phrygilanthus heterophyllus (R. & P.) Eichler
 2906 Oenothera dentata Cav.
 2907 Stachys pannosa Ph.
 2908 Astragalus prostratus H. & A.
 2909 ~~phytol~~ Ercilla spicata (Bertero) Moq.
 2910 Lotus corniculata L.
 2911 ~~umb~~ Centella triflora (R. & P.) Munz.
 2912 Spergularia campestris Willd. & Lange.
 2913 Apium *sp.*
 2914 ~~germer.~~ Sarmienta repens R. & P.
 2915 Tropaeolum ciliatum R. & P.
 2916 ~~orchid~~ Chloraea Figueira Lindl.? dit Ames.
 2917 Lepidium *sp.* cf. no. 2920
 2918 ~~crucif.~~ Coronopus didymus (L.) Smith
 2919 Calandrinia glauca Schrad.
 2920 Lepidium *sp.* cf. sub. no. 3045
 2921 Aster Vahlia Hook.
 2922 Oxalis rosea Jacq.
 2923 Lythrum ~~lythrum~~ lythroides L.
 2924 Tetragonia expansa Aiton

- 2925 *Armeria andina* Poepp.
 2926 *Senecio nigrescens* H. & A.
 2927 *Eupatorium glechonophyllum* Less.
 2928 *Convolvulus Soldanella* L.
 2929 ~~myrt~~ *Myrcengenia obtusa* (H. & A.) DC.
 2930 *Relbunium hypocarpium* (L.) Hemsl.
 2931 *Veronica anagallis-aquatica* L.
 2932 *Franseria bipinnatifida* Nutt.
 2933 *Polygonum chilense* Koch
 2934 *Dioscorea* sp.
 2935 ~~Franseria~~ *Franseria sonchifolia* Cav.
 2936 ~~rub~~ *Oldenlandia chesii* (H. & A.) Schum.
 2937 *Oxalis* sp.
 2938 *Sisyrinchium* sp.
 2939 *Trifolium* sp. a very interesting plant.
 2940 ~~Myrt~~ *Stachys pannosa* Ph.
 2941 *Ranunculus chilensis* DC.
 2942 ~~rub~~ *Nertera depressa* Banks. & Sol.
 2943 ~~eruc~~ *Sisymbrium litorale* Ph.
 2944 *Mimulus* sp.
 2945 *Loasa acanthifolia* Desv.
 2946 *Juncus bufonius* L.
 2947 *Scirpus inundatus* Poir.
 2948 *Juncus cyperoides* Laharpe
 2949 *Juncus planifolius* R. Br.
 2950 *Scirpus riparius* Presl
 2951 *Carex pseudo-cyperus* L.
 2952 *Distichlis thalassia* (HBK.) Desv.
 2953 *Carex pumila* Thunb.
 2954 ~~Carex~~ *Eleocharis pachycarpa* Desv.

- 2955 Eleocharis *sp.*
2956 Eleocharis *sp.*
2957 Convolvulus *Sepium* L.
2958 Scirpus *inundatus* Poir.
2959 Juncus *bufonius* L.
2960 Scirpus *nodosus* Rottb.
2961 Uncinia *phleoides* (var.) Pers.
2962 Juncus *cyperoides* Laharpe
2963 Juncus *imbricatus* Laharpe
2964 ~~Gerastium~~ *Stellaria cuspidata* Willd.
2965 Dichondra *repens* Forst.

Plants from Concepcion collected by Father Jaffuel in 1931.

- 2966 Mimulus ~~sp.~~ *Centella triflora* (R. & P.) Nannf.
 2967 ~~umb.~~
 2968 ~~myrt~~ *Ugni Molinal Turcz.*
 2969 ~~2~~ " " "
 2970 ~~E~~ *Eugenia perrifolia* DC.
 2971 Rumex *cuneifolius* Campd.
 2972 Rumex *conglomeratus* Murray
 2973 Convolvulus *Hermanniae* L'Herit.
 2974 Lobelia *tupa* L.
 2975 Cassia ~~sp.~~ *stipulacea* Aiton
 2976 Hypericum *caespitosum* C. & S.
 2977 Linum *Macraei* H. & A.
 2978 Teucrium *bicolor* Smith
~~Quinchamalium~~ 2979 *Quinchamalium chilense* Molina
 2980 ~~Chenopodium~~ *Atriplex hastatum* L.
 2981 Convolvulus *sepium* L. ~~sp.~~
 2982 Nothoscordium *gramineum* (Sims) Beauv.
 2983 ~~comp.~~ *Lapsana communis* L.
 2984 Verbena ~~sp.~~
 2985 Gnaphalium *americanum* Mill.
 2986 Crepis *capillaris* (L.) Walbr.
 2987 Cardamine ~~sp.~~
 2988 Anagallis *arvensis* L.
 2989 Erigeron *Coryza chilensis* Spreng.
 2990 ~~Melilotus~~ *Medicago lupulina* L.
 2991 ~~Spergularia~~ *Polycarpon tetraphyllum* L..
 2992 *Spergularia Liebmanni* (Lange) Rohrb.
 2993 *Prunella vulgaris* L.

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2648 *Polycarpon tetraphyllum* L.

- 2714 Senecio *rutaceus* Ph.
 2715 Senecio *chilensis* Less.
 2716 Senecio *sp.* = no. 2741
 2717 Erigeron *sp.*
 2718 Senecio *sp.*
 2719 ~~Mat~~ *Nassauvia Lagascae* (Gillies) Meigen
 2720 Comp *Lagenophora hercata* Poepp.
 2721 Senecio *sp.*
 2722 Perezia ~~*pedicularifolia* Less.~~ *lyrata* (Remy) Wedd.
 2723 Perezia *pedicularifolia* Less.
 2724 Perezia *pedicularifolia* Less.
 2725 Aster *glabrifolius* (DC.) Reiche
 2726 Erigeron *andicola* DC.
 2727 Baccharis *sp.*
 2728 Gnaphalium *sp.*
 2729 ~~Mat~~ *Nassauvia Lagascae* (Gillies) Meigen
 2730 Comp *Gnaphalium* ~~*sp.*~~ *serpyllifolium* Remy.
 2731 Baccharis *rhethinodes* Walp.
 2732 Comp *Lucilia chilensis* H. & A.
 2733 ~~mat~~ *Nassauvia aculeata* Poepp. & Endl.
 2734 ~~Senecio~~ *Aster glabrifolius* (DC.) Reiche
 2735 Hypochaeris *sp.*
 2736 ~~mat~~ *Nassauvia lycopodioides* Ph.
 2737 Gnaphalium *cheiranthifolium* Lam.
 2738 Baccharis *sp.*
 2739 Hypochaeris *odorata* (Poepp.) B. & H.
 2740 Baccharis *sp.* = no. 2727.
 2741 Senecio *sp.*
 2740 Nothofagus *pumilio* (Poepp. & Endl.) Krasske
 2743 Azara *alpina* Poepp. & Endl.

Banos de Chillan -- Father Jaffuel 1933

- 2744 Nothofagus *Dombeyi* (Mirb.) Blume
- 2745 " " " "
- 2746 Azara *alpina* Poepp. & Endl.
- 2747 " " " "
- 2748 Sisyrinchium *sp.*
- 2749 " *sp?*
- 2750 Geranium *sp.*
- 2751 Ephedra *andina* Poepp.
- 2752 Wendtia *Reynoldsi* Endl.
- 2753 Dioscorea *brachybotrya* Poepp.
- 2754 Perennetia *mucronata* DC
- 2755 " *myrtelloides* (Poepp. & Endl.) Zucc.
- 2756 Equisetum *biglandense*
- 2757 Lychnis *sp.*
- 2758 Viola *cotyledon gingin.*
- 2759 Cerastium *arvense* L., var.
- 2760 Arenaria *serpens* HBK.
- 2761 " " "
- 2762 Calceolaria *foliosa* Th.
- 2763 " *biflora* Lam.

Plants from the Termas de Chillan collected by Father Jaffuel in 1933

Determined by I. M. Johnston July, 1936

- 2764 Calceolaria *glandulosa* Poepp. ?
 2765 Mimulus *luteus* L.
 2766 Calceolaria *falosa* Ph.
 2767 Calceolaria *Volckmannii* Ph.
 2768 Scroph. *Oxysia Poeppigii* Benth.
 2769 Lathyrus *Vicia heterophyllus* Ph.
 2770 Adesmia *radicifolia* Clos
 2771 ~~Lathyrus~~ *Lathyrus multiceps* Clos
 2772 Vicia *apiculata* Ph. *
 2773 ~~Lathyrus multiceps~~ Clos *Vicia heterophyllus* Ph.
 2774 Adesmia *emarginata* Clos.
 2775 Lathyrus *multiceps* Clos.
 2776 Stachys *Gilliesii* Benth.
 2777 Loranthus sp.
 2778 Myzodendron *oblongifolium* DC.
 2779 ~~Eric~~ *Pernettya*
 2780 Loas. *Cajophora silvestris* Urban & Gilg.
 2781 Loasa *lateritia* Gillies
 2782 Loasa *filicifolia* Poepp.
 2783 Polygala *thesioides* Willd.
 2784 Calandrinia *Jayana* Bern.
 2785 Calandrinia " "
 2786 Calandrinia *Jayana* Bern.
 2787 Calandrinia " "
 2788 Calandrinia *sericea* H. & A.
 2789 Armeria *andina* (Poepp.) Rendle
 2790 ~~Oreoid~~ *Asarca Commersonii* Hook. f.
 2791 Epilobium *pauciflorum* Phil.

4

- 2792 *Epilobium glaucum* Ph.
- 2793 *Oxalis valdiviensis* Barn.
- 2794 *Epilobium pauciflorum* Phil.
- 2795 ~~Reich~~ *Lomatia chilensis* Gay
- 2796 *Quinchamalium* sp.
- 2797 *Quinchamalium* sp.
- 2798 *Galium hypnoides* Clos.
- 2799 *Relbunium hypocarpum* (L.) Hemsl.
- 2800 *Acaena macrocephala* Poepp.
- 2801 *Solanum etuberosum* Lindl.
- 2802 *Senecio Lastarrianus* Remy?
- 2803 *Senecio* sp.
- 2804 *Senecio gayanus* DC.
- 2805 *Perezia nutans* Less.
- 2806 *Leucheria thermarum* (Ph.) Reiche
- 2807 *Aplopappus marginalis* Ph.
- 2808 *Perezia pilifera* H. & A.
- 2809 *Leucheria purpurea* DC.
- 2810 *Collomia biflora* (R. & P.) Brand
- 2811 *Senecio Hieracium* Remy.
- 2812 *Erigeron andicola* DC.
- 2813 *Aster glabrifolius* (DC.) Reiche
- 2814 *Senecio* sp. = no. 2718.
- 2815 *Senecio* sp.
- 2816 *Senecio* sp. = 2815
- 2817 ~~Gelycerac.~~ *Gemocarpha angustifolia* Ph.
- 2818 *Senecio purpuratus* Ph.
- 2819 *Calandrinia Cumingii* H. & A.
- 2820 *Hypochaeris* sp. = no. 2735.
- 2821 *Mutisia decurrens* Cav.

- 2822 Schizanthus *Hookeri Gillies*
 2823 Ribes *cucullatum H. & A.*
 2824 Escallonia *rosea Griseb.*
 2825 Muhlenbeckia *hastulata (Sm.) Johnston*
 2826 Ribes *magellanicum Poir.*
 2827 Escallonia *Carmelita Meyen*
 2828 Ranunculus *peduncularis Sm.*
 2829 Anemone *multifida Poir.*
 2830 ~~calyc~~ *Boopis spathulata Ph.*
 2831 ~~calyc~~ *Gamocarpha alpina (Poepp.)*
 2832 ~~umb~~ *Huanaca andina Phil.*
 2833 Geranium *sessiliflorum Cav.*
 2834 Osmorrhiza *Berteri DC.*
 2835 Caltha *andicola (Gay) Walp.*
 2836 Asteriscium *Pogoa hydrocotylifolia Bridges*
 2837 ~~umb~~ *Myrrhis Rensifoana Phil.*
 2838 ~~umb~~ *Sanicula graveolens Poepp.*
 2839 ~~umb~~ *Mulinum spinosum (Cav.) Pers.*
 2840 Geranium *sessiliflorum Cav.*
 2841 Viola *cotyledon Gingin.*
 2842 Calceolaria *sp.*
 2843 ~~comp~~ *Lagenophora hirsuta Poepp.*
 2844 Viola *maculata var pubescens Reiche.*
 2845 Gunnera *magellanica Lam.*
 2846 Anagallis *alternifolia Cav.*
 2847 ~~unrec~~ *Ourisia breviflora Benth.*
 2848 Calceolaria *sp.*
 2849 Gunnera *magellanica Lam.*
 2850 Adesmia *compacta Ph.*

- 2851 ~~unrec~~ *Lomata chilensis* Gay
- 2852 *Escallonia rosea* Griseb
- 2852 *Juncus* sp. ?
- 2854 *Pernettya leucocarpa* DC.
- 2855 ~~junc~~ *Andesia bisexualis* Hauman ?
- 2856 *Arenaria serpens* HBK.
- 2857 ~~comp.~~ *Lagenophora Commersonii* Cass.
- 2858 *Heliotropium paronychioides* A. DC.
- 2859 *Valeriana carnosia* Sm.
- 2860 *Valeriana lasyflora* DC.
- 2861 unrecognized.
- 2862 *Vicia heterophyllus* Ph.
- 2863 ~~orata~~ *Pagonia tetraphylla* Poepp. & Endl.
- 2864 *Veronica serpyllifolia* L.
- 2865 ~~comp~~ *Adenocaulon chilense* Less.
- 2866 *Euphrasia chrysantha* Ph.
- 2867 *Saxifraga Pavonii* Don
- 2868 *Maytenus disticha* Urban
- 2869 ~~seroph~~ *Onuris breviflora* Benth.
- 2870 ~~Pernettya~~ *Empetrum rubrum* Willd.
- 2871 ~~seroph~~ *Onuris microphylla* Poepp. & Endl.
- 2872 *Pernettya* -
- 2873 *Solanum* ? no flowers nor fruit.
- 2874 *Dioscorea* sp.
- 2875 *Calandrinia Cumingi* H. & A.
- 2876 *Osmorrhiza Bertonii* DC.
- 2877 *Vicia heterophyllus* Ph

Plants of Chillan from Father Jaffuel -- 1933

& Father Falippon 1936

- 2878 Polystichum ^(Boryl de Saint-Vincent) ~~mohrioides (Poepp.) Th.~~ var. *plicatum* (Poepp.) Chr.
- 2879 " " " "
- 2880 " " " "
- 2881 " " " "
- 2882 ~~fern~~ *Blechnum penna-marina* (Poir.) Kuhn
- 2883 ~~fern~~ no spores.
- 2884 ~~umb.~~ *Pozoa hydrocotylifolia* Bridges
- 2885 *Viola Buchtenii* Gand.
- 2886 *Valeriana macrorrhiza* Poepp.
- 2887 *Ephedra andina* Poepp.
- 2888 *Epilobium glaucum* Th.
- 2889 *Carex decidua* Boott.
- 2890 *Cardamine* sp.
- 2891 *Ourisid Poeppigii* Benth.
- 2892 *Mimulus luteus* L.
- 2893 *Ourisid macrophylla* Poepp. & Endl.
- 2894 *Nassauvia lycopodioides* Ph.
- 2895 *Arenaria serpens* HBK.

Mount Reading
Plant of Chillan
collected by Father Falippon
in 1936

insert this
new
heading

Cordilleras of Santiago -- Plants collected by Father Pirion 1933

- 2994 Aplopappus *Poeppigianus* (H. & A.) Gray
2995 ~~euphorb~~ *Colliguaya salicifolia* Gill. & Hook.
2996 Baccharis *Macraei* H. & A.
2997 Aplopappus *chrysanthemifolia* DC.
2997 Tagetes *minuta* L.
2998 Aplopappus *rotundifolia* Hall.

Plants of Marga-Marga collected by Father Jaffuel and Father Pirion

- 2999 ~~comp-inul~~ *Psilocarphus chilensis* (Remy) Meigen
- 3000 *Sanicula graveolens* DC.
- 3001 *Stachys grandidentata* Lindl.
- 3002 *Dioscorea saxatilis* Poepp.?
- 3003 *Carex setifolius* Kunze var *pungens* (Boeck.) Kükner.
- 3004 ~~Lythrum~~ sterile possibly Polygalaceae.
- 3005 *Cardamine chilensis* DC.
- 3006 ~~Scirpus~~ *Cyperus reflexus* Vahl.
- 3007 ~~Cnysa~~ *Erigeron* sp. = no. 3221
- 3008 *Oxalis lutea* H & A.
- 3009 *Calandrinia compressa* Schrad.
- 3010 *Tropaeolum brachyceras* H & A.
- 3011 ~~Nothoscordum~~ *Brodiaea subbiflora* (Colla) Baker
- 3012 ~~orchid~~ *Chloraea galeata* Lindl det Ames
- 3013 ~~comp~~ unrecognized. sterile
- 3014 *Lathyrus Hookeri* Don
- 3015 *Eleocharis palustris* R.Br.
- 3016 ~~comp~~ *Lasthenia obtusifolia* Cass.
- 3017 *Adesmia microphylla* H & A.
- 3018 *Senecio Cumingii* H & A. = no. 557!
- 3019 *Cassia Closiana* Ph.
- 3020 *Luzula chilensis* Nees & Meyen.
- 3021 *Astragalus procumbens* H & A.
- 3022 ~~III~~ *Leucocoryne montana* Phil.
- 3023 ~~asei~~ *Tweedia confertiflora* Malme? too young!
- 3024 *Valeriana papilla* Bertero
- 3025 *Puya chilensis* Molina (flowers) + *P. coerulea* Lindley (leaves)
- 3026 *Gnaphalium cymatoides* Kunze
- 3027 *Potamogeton Gayi* Benn.
- 3028 *Mimulus glabratus* HBK., var.

- 3029 ~~rhomb~~ *Retamilla ephedra* Bogn.
 3030 ~~santal~~ *Myoschilos oblongum* R. & P.
 3031 *Berberis actinacantha* Mart. var. *crispa* (Gay) Reiche
 3032 *Vicia pallida* H. & A. = no. 249.
 3033 *Picris echinoides* L.
 3034 *Senecio vulgaris* L.
 3035 ~~Taraxacum~~ *Taraxacum vulgaris* (Lam.) Schrenk.
 3036 ~~Spergula~~ *Spergula arvensis* L. 3036
 3037 ~~rit~~ *Miersia chilensis* Lindl.
 3038 *Sonchus oleraceus* L.
 3039 ~~limosella~~ *Libocopsis sinuata* Hill.
 3040 ~~lardizabal~~ *Lardizobala bitermata* R. & P.
 3041 ~~Loasa~~ *Loasa floribunda* H. & A.
 3042 *Aristolochia chilensis* Miers.
 3043 *Acaena trifida* R. & P.
 3044 ~~loranth~~ *Phrygilanthus tetrandrus* (R. & P.) Eichler
 3045 *Lepidium* sp. = no. 3059. This genus is being monographed and all four specimens are away on loan. I shall send you specimens of *Lepidium* for study of Mr. Hitchcock.
 3046 ~~fern~~ *Notholaena tomentosa* Desv. (= *N. hypoleuca* Kunze)
 3047 *Carex setifolius* Kunze var. *pungens* (Boeck.) Kuhn.
 3048 *Adesmia propinqua* C. & S.
 3049 ~~rhomb~~ *Colletia hystrix* Gillies
 3050 *Cardamine tuberosa* DC.
 3051 ~~Loasa~~ *Ribes punctatum* R. & P.
 3052 *Carex setifolius* Kunze var. *typica*
 3053 ~~euph~~ *Colliguaya odorifera* Molina
 3054 *Sisyrinchium* sp.
 3055 *Geranium Berterianum* Colla.
 3056 *Cardamine chilensis* DC.

- 3057 *Juncus cyperoides* Laharpe
 3058 *Baccharis marginalis* DC.
 3059 *Lepidium* sp. ^{= no. 3045} ~~of no. 3045~~
 3060 ~~amar.~~ *Tecophilaea violacea* Bertero
 3061 *Mallesherbia linearifolia* (Cav.) Poir.
 3062 *Capsella Bursa-pastoris* L.
 3063 *Eschscholtzia californica* Cham.
 3064 *Pectocarya linearis* (R. & P.) DC.
 3065 *Viviania petiolata* H. & A.
 3066 *Cuscuta chilensis* Ker. - Gaw.
 3067 *Nicotiana* sp.
 3068 *Lactuca scariola* L.
 3069 *Mentha Pulegium* L.
 3070 *Dryopteris argentina* (Hieron.) C. Chr.
 3071 *Amaranthus hybridus* L.
 3072 ~~ai-zee~~ *Glinus radiatus* (R. & P.) Polak.
 3073 ~~li-lia~~ *Miersia chilensis* Lindl.
 3074 *Sophora macrocarpa* Smith.
 3075 ~~monim~~ *Boldea boldus* (Mol.) Looser
 3076 ~~comp~~ *Lapsana communis* L.
 3077 *Veronica persica* Poir.
 3078 *Buddleia globosa* Lam.
 3079 *Baccharis paniculata* DC.
 3080 *Galinsoga parviflora* Cav.
 3081 *Lythrum hyssopifolia* L.
 3082 *Dioscorea variifolia* Bertero (= Jaffuel 1271, 1272 & 1273)
 3083 *Rumex crispus* L.
 3084
 3085 ~~comp-ehic~~ *Hypochaeris* sp.
 3086 *Verbena lispida* R. & P.

- 3087 *Navarretia involucreta* R. & P.
- 3088 ~~Crucifera~~ *Crucifera*. Species & genus unrecognized. Please send specimens showing mature fruit.
- 3089 *Loasa floribunda* Hook.
- 3090 *Dioscorea bryoniaefolia* Poepp. + *D. variifolia* Bert. + *D. saxatilis* Poepp.?
- 3091 *Psilocarphus chilensis* (Remy) Meigen
- 3092 *Chaetanthera incana* Poepp.
- 3093 *Tropaeolum ciliatum* R. & P.
- 3094 *Epilobium* sp.
- 3095 ~~rhamn~~ *Trova trinervea* Gill. & Hook.
- 3096 *Chaetanthera serrata* R. & P.
- 3097 ~~Scirpus~~ *Cyperus reflexus* Vahl
- 3098 ~~irid~~ *Alouha pulchella* Sweet
- 3099 *Scirpus riparius* Presl.
- 3100 *Puya violacea* (Brong.) Mez. var.
- 3101 *Adesmia Pirioni* n. sp.
- 3102 *Pectocarya linearis* (R. & P.) DC.
- 3103 *Lepidium* sp. = No. 3045 of 3045
- 3104 *Gilia laciniata* R. & P.
- 3105 *Orthocarpus attenuatus* Gray
- 3106 *Stachys truncata* Kunze
- 3107 *Plagiobothrys procumbens* (Colla) Gray
- 3108 *Calandrinia compressa* Schrad.
- 3109 ~~Calandrinia~~ *Monocosmia monandra* (R. & P.) Pax
- 3110 *Adesmia propinqua* Clos + *Adesmia phylloidea* Clos.
- 3111 *Calandrinia axilliflora* Barn.
- 3112 ~~polygon~~ *Lastarriaea chilensis* Remy
- 3113 *Calandrinia compressa* Schrad.
- 3114 *Cardamine chilensis* DC.
- 3115 *Erodium chilensis* Johnston
- 3116 *Erodium botrys* (Lam.) Bert.

- 3117 ~~comp-inul~~ *Facelis retusa* (L.) Sch. Bip. var. *chilensis* (F. & M.) Baker
- 3118 ~~isid.~~ *Sisyrinchium*? sterile
- 3119 ~~comp-inul~~ *Lathenia obtusifolia* Cass.
- 3120 *Dioscorea saxatilis* Poepp.? + *D. variifolia* Bert.
- 3121 *Leucheria glandulosa* Don
- 3123 *Gnaphalium Chamissonis* DC.
- 3123 *Gnaphalium* sp. = no. 894.
- 3124 *Cerastium viscosum* L.
- 3125 *Plectritia samolifolia* (DC.) Hook.
- 3126 ~~comp-inul~~ *Filago gallica* L.
- 3127 *Valeriana* sp. Please collect a better specimen.
- 3128 *Medicago hispida* Gaertn.
- 3129 *Alstroemeria pulchra* Sims
- 3130 *Chorizanthe paniculata* Benth.
- 3131 *Juncus Dombeyanus* Gay
- 3132 *Carex pseudo-cyperus* L.
- 3133 *Eleocharis palustris* R. Br.
- 3134 *Cryptantha clandestina* (Trev.) Johnston
- 3135 *Malesherbia linearifolia* (Cav.) Poir.
- 3136 *Downingia pusilla* (Poepp.) Torr } Please make some abundant new
- 3137 " " " " } collections to show corolla-structures
- 3138 *Crassula peduncularis* (Sm.) Reiche
- 3139 *Ranunculus bonariensis* Poir.
- 3140 *Amaranthus diflexus* L.
- 3141 ~~inul~~ *Conanthera bipolia* R. & P.
- 3143 *Godetia tenella* (Cav.) Steud.
- 3143 *Gochmatia rigida* Don
- 3144 ~~apium~~ *Umbellifera* - not recognized
- 3145 *Plantago truncata* Cham. subsp. *forma* Pilger
- 3146 *Adesmia radiciifolia* Cas

- 3147 *Plagiobothrys (allocarya) procumbens* (Colla) Gray
 3148 *Galium suffruticosum* H. & A.
 3149 *Euphorbia Peplus* L.
 3150 ~~Loasa~~ *Scyphanthus stenocarpus* (Poepp.) ~~H. & A.~~ Z. & Y.
 3151 *Plantago hispidula* R. & P.
 3152 *Plantago truncata* Cham., subsp. *firma* Pilger
 3153 *Plantago hispidula* R. & P.
 3154 ~~serep~~ *Alonsoa incixifolia* R. & P.
 3155 ~~lil~~ *Leucocoryne isiolides* (Hook.) Lindl.
 3156 *Erodium chilense* Johnston
 3157 ~~myrt~~ *Myrcogenia Petra* Berg
 3158 *Pasithea caerulea* (R. & P.) Don
 3159 *Sisyrinchium* sp.
 3160 *Bodens pilosa* L.
 3161 *Calandrinia arenaria* Schrad.
 3162 ~~comp~~ *Podanthus Mitigui* Lindl.
 3163 *Baccharis marginalis* DC.
 3164 *Ranunculus bonariensis* Poir.
 3165 ~~orchid~~ *Asarca cinnata* Lindl. det Ames
 3166 ~~comp~~ *Soliva sessilis* R. & P.
 3167 *Oxalis lobata* Sims
 3168 *Geranium Robertianum* L.
 3169 *Calceolaria glandulosa* Poepp.
 3170 ~~myrt~~ *Myrcogenia stenophylla* Berg
 3171 *Galium aparine* L.
 3172 ~~Nasturtium~~ *Roripa Nasturtium-aquaticum* (L.) Sch. & Thell.
 3173 ~~caryop~~ *Sagina* sp. please collect this with fruit. cf. nos. 3203, 3204.
 3174 *Spergula arvensis* L.
 3175 ~~lil~~ *Nothoscordium gramineum* (Sims) Beauv.
 3176 *Calandrinia compressa* Schrad.
 3177 *Geranium Besterianum* Colla

- 3178 *Plantago lanceolatum* L.
- 3179 *Plagiobothrys fulvus* (H. & A.) Johnston
- 3180 ~~Pentstemon~~ *Cardionema ramosissima* (Wienm.) Nels. & Macbr.
- 3181 *Calceolaria glandulosa* Poepp.
- 3182 ~~Boottionea~~ *Boottionea thysanthoides* Colla
- 3183 *Anoda hastata* Cav.
- 3184 ~~caryop~~ *Tolycarpon tetraphyllum* L.
- 3185 ~~Scilla~~ *Scilla chloroleucum* (Lindl.) Kaulf.
- 3186 ~~Conanthera~~ *Conanthera campanulata* Don
- 3187 *Phacelia pinnata* (R. & P.) Macbr.
- 3188 *Silene gallica* L.
- 3189 ~~comp~~ *Chrysanthemum* ~~sp~~ *parthenium* (L.) Pers.
- 3190 *Erodium cicutarium* (L.) L'Herit.
- 3191 ~~grass~~ *Chusquea Quila* Molina
- 3192 *Fumaria agraria* Lag.
- 3193 *Valeriana Bridgesii* H. & A.
- 3194 *Corrigiola squamosa* H. & A.
- 3195 *Plagiobothrys procumbens* (Colla) Gray
- 3196 *Calandrinia* sp. no flowers nor fruit.
- 3197 ~~Calandrinia~~ *Monocosmia monandra* (R. & P.) Bx
- 3198 *Calandrinia compressa* Schrad.
- 3199 *Juncus bufonius* L.
- 3200 *Calandrinia ramosissima* H. & A.
- 3201 *Galium murale* All.
- 3202 ~~Prim~~ *Pelletiera verna* St. Hil.
- 3203 ~~caryop~~ *Sagina* sp. cf. no. 3173
- 3204 " *Sagina* sp. " " "
- 3205 ~~Alchemilla~~ *Alchemilla Looseri* Rothmaler
- 3206 *Cotula australis* Hook.
- 3207 *Chaetanthera incana* Poepp.
- 3208 *Callitriche turfosa* Bertero

- 3209 *Cestrum* *Parqui* L'Herit
 3210 *Escallonia* *revoluta* (R. & P.) Pers.
 3211 *Convolvulus* *dissectus* Cav.
 3212 ~~Lab~~ *Lamium* *amplexicaule* L.
 3213 *Plantago* *hispidula* R. & P.
 3214 *Plantago* sp. Please make new and better collections of this.
 3215 *Veronica* *anagallis-aquatica* L.
 3216 *Aster* *Haplopappus* (Remy) Kunze
 3217 *Calceolaria* *thyrsiflora* Graham.
 3218 *Oxalis* *corniculata* L.
 3219 *Trifolium* *filiforme* L.
 3220 *Solanum* sp.
 3221 ~~Coryza~~ *Erigeron* sp. = 3007
 3222 *Tillandsia* *usneoides* L.
 3223 *Xanthium* *spinosum* L.
 3224 *Chenopodium* sp.
 3225 ~~reum~~ *Trevoa* *trinervea* Gill. & Hook.
 3226 *Gnaphalium* *cymatoides* Kunze
 3227 *Gnaphalium* sp. Very interesting. Please collect better specimens.
 3228 ~~comp~~ *Aster* *exilis* Ell.
 3229 *Baccharis* *sagittalis* DC.
 3230 *Cotula* *australis* Hook.
 3231 *Medicago* *sativa* L.
 3232 *Boerhaavia* *caribaea* Jacq.
 3233 *Cerastium* *vescosum* L.
 3234 *Polygonum* sp.
 3235 *Datura* *stramonium* L.
 3236 ~~irid~~ *Splenomelus* *pedunculatus* (Gillies) Hochr.
 3237 *Cynoglossum* *paniculatum* H. & A.
 3238 *Juncus* *cyperoides* Laharpe
 3239 ~~comp~~ *Lasthenia* *obtusifolia* Cass.

- 3240 ~~comp~~ *Lasthenia obtusifolia* Cass.
 3241 ~~comp~~ *Specularia perfoliata* (L.) DC.
 3242 ~~polygal~~ *Monina Monnina linearifolia* R. & P.
 3243 ~~seroph~~ *Bartsia chilensis* Benth.
 3244 *Solanum villosum* Lam.
 3245 ~~Sanicula~~ *Torilis nodosa* Gaertn.
 3246 ~~cruc~~ *Rapistrum orientale* DC.
 3247 *Mirabilis Jalapa* L.
 3248 ~~comp~~ *Filago gallica* L.
 3249 ~~umbel~~ *Osmorhiza Berterii* DC.
 3250 *Scirpus cernuus* Vahl
 3251 *Azara serrata* R. & P.
 3252 ~~shrub~~ *Azara celastroides* Don
 3253 ~~comp~~ *Hypochaeris* sp.
 3254 *Adesmia tenella* H. & A.
 3255 *Berberis* sp. Very interesting! please collect in better condition.
 3256 ~~eri~~ *Physalis peruviana* L.
 3257 *Paronychia chilensis* DC.
 3258 *Alstroemeria* sp.
 3259 ~~amaryl~~ *Hippeastrum advinum* Herb.
 3260 *Limosella aquatica* L.
 3261 *Scirpus cernuus* Vahl.
 3262 ~~umbel~~ *Umbellifera*; unrecognized
 3263 *Mirabilis (Oxybaphus)* sp. no flowers nor fruit.
 3264 *Urtica magellanica* Poir.
 3265 ~~Nasturtium~~ *Roripa Nasturtium-aquatica* (L.) Sch. & Thell.
 3266 ~~polygal~~ *Polygala stricta* Gay
 3267 *Gnaphalium* sp.
 3268 *Vicia nigricans* H. & A.
 3269 *Cassia Obsiana* Ph.
 3270 ~~lab~~ *Melissa officinalis* L.

- 3271 *Dipsacus Fullonum* L.
 3272 *Vicia sativa* L.
 3273 ~~rham~~ *Colletia hystria* Gillies
 3274 *Scirpus asper* Presl.
 3275 *Typha domingensis* Pers.
 3276 *Puya violacea* (Brong.) Mez var *intermedia* Smith & Looser
 3277 *Apium ammi* (Jacq.) Urban
 3278 ~~iii~~ *Brodiaea violacea* (Kunth) Baker
 3279 *Cynoglossum paniculatum* H. & A.
 3280 ~~Armeria~~ *Armeria curvifolia* Bertero
 3281 *Escallonia pulchra* ~~pulverulenta~~ var. *glabra* Engler
 3282 ~~tree~~ *Hydrangea integerrima* (H. & A.) Engler
 3283 *Solanum* sp.
 3284 *Cassia Cloviana* Ph.
 3285 *Astragalus procumbens* H. & A.
 3286 *Senecio Cumingii* H. & A.
 3287 *Sambucus australe* C. & S.
 3288 *Lobelia polyphylla* H. & A.
 3289 *Relbunium hypocarpum* (L.) Hemsl.
 3290 *Ranunculus muricatus* L.
 3291 *Mentha Pulegium* L.
 3292 *Vicia nigricans* H. & A.
 3293 ~~Carex~~ *Juncus Dombeyanus* Gay? too young.
 3294 *Juncus* sp? too young.
 3295 *Eupatorium glechonophyllum* Less.
 3296 ~~meib~~ *Sphaeralcea obtusiloba* Don
 3297 *Lathyrus dumetorum* Ph.
 3298 *Geranium intermedium* Colla
 3299 *Fumaria capreolata* L.
 3300 *Plagiobothrys fulvus* (H. & A.) Johnston
 3301 *Cyperus vegetus* Willd.

- 3302 Cyperus *reflexus* Vahl
 3303 Plagiobothrys *fulvus* (H. & A.) Johnston
 3304 Verbena *litoralis* HBK.
 3305 Verbena *hispida* R. & P.
 3306 Verbena *bonariensis* L.
 3307 ~~comp~~ *Cephalophora aromatica* Schrad.?
 3308 ~~Scirpus~~ *Cyperus reflexus* Vahl.
 3309 Juncus *Dombeyanus* Gay
 3310 Stachys *grandidentata* Lindl
 3311 Calceolaria *petioalavis* Cav.
 3312 Calceolaria *glandulosa* Poepp.
 3313 Hypochaeris *sp.*
 3314 Chenopodium *multifidum* L.
 3315 Chenopodium *ambrosioides* L. ? no leaves
 3316 Chenopodium. *ambrosioides* L.

- 3504 Calandrina *Gilliesii* H & A.
3505 Nassauvia *spinosa* (Remy) Reiche
3506 Cerastium *arvense* L.
3507 ~~sent~~ *Ajona andina* Th.
3508 Astragalus *Arnothianus* (H & A.) Reiche
3509 Astragalus *Cruckshanksii* H & A.
3510 Nassauvia *uniflora* (Don) Hauman
3511 Adesmia *decumbens* Ph.
3512 Mutisia *taraxacifolia* Less.
3513 Mutisia *linearifolia* Remy
3514 ~~loren~~ *Phoggilanthus heterophyllus* (R. & P.) Eichler
3515 ~~myrt~~ *Eugenia chequen* H & A.
3516 ~~leg~~ *Anarthrophyllum Cumingii* (H & A.) Reiche
3517 Phacelia *pinnata* (R. & P.) Macbride
3518 ~~verb~~ *Verbena scoparia* Gillies
3519 Perezia *carthamoides* (Don) H & A.
3520 ~~scit~~ *Jaborosa caulescens* Gillies
3521 Nassauvia *Lagascae* (Gill!) Meyen forma *glabrescens*
3522 Gnaphalium *cymatoides* Kunze?
3523 Calandrinia *rupestris* Barn.
3524 Senecio *depressus* H & A.
3525 Hordeum *comosum* Presl.
3526 Hordeum *comosum* Presl.
3527 Cardamine *nivalis* Gillies
3528 ~~scit~~ *Jaborosa caulescens* Gillies
3529 Anemone *chilensis* Gay
3530 Alstroemeria *sp.*
3531 Calceolaria *biflora* Lam?
3532 Stachys *grandidentata* Lindley

- 3533 *Cynanchium nummulariifolium* H. & A.
- 3534 *Poa* sp.
- 3535 *Chuquiraga oppositifolia* Don
- 3536 *Gymnophyton polycephalum* Clos
- 3537 *Descourainia diversifolia* Schult.
- 3538 *Senecio Donianus* H. & A.
- 3539 *Phacelia pinnata* (R. & P.) Macbride
- 3540 *Tropaeolum polyphyllum* Cav.
- 3541 *Senecio crithmoides* H. & A.
- 3542 *Sanicula graveolens* Poepp.
- 3543 *Trisetum spicatum* (L.) Rich.
- 3544 ~~Phleum~~ *Phleum alpinum* L.
- 3545 *Physalis viscosa* L.
- 3546 *Azara Gilliesii* H. & A.
- 3547 *Leucheria* sp.
- 3548 *Cryptantha glomerulifera* (Ph.) Johnston
- 3549 ~~Aplopappus~~ *cuneifolius* Nutt.
- 3550 *Escallonia arguta* Presl
- 3551 *Senecio Donianus* H. & A.
- 3552 *Schizanthus Hookeri* Gillies
- 3553 ~~ecolr~~ *Nicotiana* ?
- 3554 *Leucheria microcephala* Reiche
- 3555 *Senecio Donianus* H. & A.

Letter of Nov. 15, 1937 in file under Perian.

Plants from Termas de Chillan, Chile, collected by Father Jaffuel, Feb. 1937
determined at the Gray Herbarium by I.M. Johnston, Jan. 1938.

- 3710 Gentiana *Pearcei* Phil.
3711 Cardamine *cordata* Barn.
3712 Caltha *andicola* (Gray) Walp.
3713 Gnaphalium *Chamissonis* DC.
3714 Gnaphalium *sp.*
3715 ~~Myrrhis~~ *Myrrhis Renjifoana* Phil.
3716 Calandrinia *gayana* Barn.
3717 ~~Osmorhiza~~ *Myrrhis Renjifoana* Phil.
3718 ~~Senecio~~ *Ourenia alpina* Poepp. & Endl.
3719 ~~Myrteola~~ *Myrteola leucomyrtillus* (Griseb.) Reiche
3720 Calceolaria *sp.*
3721 Plantago *barbata* Forst. *var pauciflora* (Hook.) Pilger
3722 ~~Oxyc.~~ *Stenodraba chillanensis* (Phil.) Schulz
3723 Valeriana *macrorrhiza* Poepp.
3724 Senecio *sp.* (no flowers)
3725 Armeria *andina* Poepp.
3726 Draba *Gilliesii* Hook.
3727 Senecio *Hieracium Remy*
3728 Epilobium *nivale* Meyer
3729 Mimulus *sp.* (no 3757)
3730 Azara *alpina* Poepp. & Endl.
3731 Nassauvia *nivalis* Poepp. & Endl.
3732 Loasa *lateritia* Gillies
3733 Senecio *sp.* (no flowers)
3734 Viola *Buchtienii* Gandoger
3735 Viola *Buchtienii* Gand.
3736 Sisyrinchium *junaforme* Poepp.
3737 Quinchamalium *chilensis* Molina
3738 ~~Marsippospermum~~ *Marsippospermum Philippi* (Bucht.) Hamman

- 3739 Euphrasia *chrysantha* Thil.
 3740 Lomatia *chilensis* Gay.
 3741 ~~calycor~~ Gamocarpha *angustifolia* Thil.
 3742 ~~Boopis~~ Boopis *glechonoides* (Rich.) Muell. Arg.
 3743 Loasa *felicifolia* Poepp.
 3744 Cerastium *abovensis* L.
 3745 ~~Boopis~~ Boopis *spatulata* Thil.
 3746 Berberis *montana* Gay
 3747 Berberis *empetrifolia* Lam.
 3748 Viola *catyledon* Ging.
 3749 Polygala *thesioides* Willd.
 3750 Empetrum *rubrum* Vahl
 3751 Pernettya *sp.*
 3752 ~~Boopis~~ Gamocarpha *alpina* (Poepp.)
 3753 Nothofagus *antarctica* Forst.
 3754 Nothofagus *pumilio* (Poepp. & Endl.) Krauss.
 3755 Mimulus *sp.* = ~~3729~~
 3756 ~~Ourisia~~ Ourisia *Poeppigii* Benth.
 3757 Mimulus *sp.* (= no 3729)
 3758 Stachys *Gilliesii* Benth.
 3759 Gunnera *magellanica* Lam
 3760 Azorella *Lycopodioides* Gaud.
 3761 Gentiana *Pearcei* Thil.
 3762 ~~Loranth~~ Myoschilos *oblongum* R. & P.
 3763 Calceolaria *tenella* Poepp. & Endl.
 3764 Nassauvia *Lycopodioides* Thil.
 3765 Osmorrhiza *Berteri* DC.
 3766 Acaena *ovalifolia* R. & P.
 3767 Rubus *radicans* Cav.
 3768 Trifolium *repens* L.
 3769 Trifolium *pratense* L.

- 3770 ~~Calce~~ *Calycera leucanthema* (Poepp.) Reiche
 3771 *Adesmia* sp.
 3772 *Calandrinia umbellata* var (= 2788)
 3773 *Adesmia emarginata* Clos.
 3774 *Saxifraga Pavonii* Don
 3775 *Oxalis valdiviensis* Barn.
 3776 *Valeriana carnososa* Sm.
 3777 *Solanum* sp.
 3778 *Gnaphalium* sp.
 3779 *Alstroemeria ligata* L.
 3780 *Fuchsia magellanica* Lam.
 3781 *Phacelia* sp.
 3782 ~~serotina~~ *Oreisia microphylla* Poepp. & Endl.
 3783 *Calceolaria biflora* Cav. ~~dentata~~ Poepp. (= no. 2764)
 3784 *Calceolaria biflora* Cav.
 3785 *Convolvulus arvensis* L.
 3786 *Hypochaeris* sp.
 3787 *Calceolaria foliosa* ~~montana~~ Phil
 3788 *Escallonia Carmelita* Meyen
 3789 *Heliotropium peronychioides* DC.
 3790 *Aplopappus marginalis* Phil?
 3791 *Aplopappus grunelioides* (Less.) DC.
 3792 *Senecio* sp.
 3793 *Senecio Gayanus* DC.
 3794 *Hypochaeris* sp.
 3795 *Perezia pedicularioidifolia* Less.
 3796 *Leucheria thermarum* (Phil.) Reiche
 3797 *Erigeron* sp. (specimen too poor)
 3798 *Erigeron* ~~cr. Aster~~ sp. (too poor)
 3799 *Senecio* sp.
 3800 ~~comp. - Gnaphal. - Leucila~~ *Lucilia frigida* (Poepp.) Reiche

- 3801 Hypochaeris *acaulis* (Remy) Reiche
 3802 Lychnis *sp.*
 3803 Hypochaeris *sp.*
 3804 ~~Baccharis~~ *Baccharis umbelliformis* DC.
 3805 Aster *glabrifolius* (DC) Reiche
 3806 Perezia *pilifera* H. & A.
 3807 Senecio *chilensis* Less.?
 3808 ~~comp. act~~ *Chiliotrichum rosmarinifolium* Less.
 3809 Adesmia *compacta* Ph.
 3810 Erigeron *andicola* DC.
 3811 Senecio *Gayanus* DC.
 3812 Crepis *capillaris* (L.) Wallr.
 3813 Senecio *sp.*
 3814 Calamagrostis *sp.*
 3815 ~~Calamagrostis~~ *Danthonia*
 3816 Phleum *alpinum* L.
 3817 Poa *sp.*
 3818 Polypogon *crinatus* Trin.
 3819 Dactylis *glomerata* L.
 3820 Carex *sp.*
 3821 ~~Danthonia~~ *Bromus unioloides* H. & K.
 3822 Paspalum *vaginatum* Sw.
 3823 ~~Syntherisma~~ *Digitaria*
 3824 Agrostis *sp.*
 3825 Danthonia *picta* Nees & Meyen
 3826 Poa *sp.* = no 3860
 3827 ~~Trisetum~~ *Calamagrostis*
 3828 ~~grass~~ *Gnossurus echinatus* L.
 3829 *Digitaria* *sp.*
 3829 ~~Syntherisma~~ (equals 3823)
 3830 Poa *sp.*
 3831 Trisetum *sp.*

- 3832 Elymus *angulatus* Presl
 3833 Agrostis *sp.*
 3834 Poa *sp.*
 3835 Carex *Macloviana* D'Urv.
 3836 Carex *Banksii* D'Urv. ?
 3837 Luzula *chilensis* Nees & Meyen
 3838 Luzula "
 3839 Juncus *stipulatus* Nees & Meyen
 3840 Carex *andina* Phil.
 3841 ~~junc~~ *Marsippospermum Philippi* (Ducht.) Hauman
 ✓ 3842 Schoenus
 3843 Juncus *chilensis* Gay?
 3844 Carex *Macloviana* D'Urv.
 3845 Juncus *imbricatus* Laharpe
 3846 Juncus *balticus* L.
 3847 Carex *decidua* Boott.
 3848 Eleocharis
 3849 Carex *Banksii* Boott.
 3850 Valeriana *macrorrhiza* Poepp.
 3851 Vicia *heterophylla* Phil.
 3852 Calceolaria *byflora* Cav.
 3853 Viola *sp.* (= no. 2844)
 3854 Sisyrinchium *junciiforme* Poepp.
 3855 ~~Juncus~~ *Plantago barbata* Forst., *var pauciflora* (Hook.) Pilger
 3856 *Plantago lanceolata* L.
 3857 Cystopteris *fragilis* (L.) Bernh.
 3858 ~~Polystichum mohrioides~~ *Blechnum penna-marina* Poir.
 3859 *Blechnum sp.* (specimen lacks sporangia)
 3860 ~~grass~~ *Poa*
 3861 *Draba Gilliesii* Hook.
 3862 *Senecio chilensis* Less.

- 3863 Veronica *serpyllifolia* L.
 3864 Adesmia *axillaris* Phil.
 3865 Galium *fuegianum* Hook.
 3866 Perezia *mutans* Less
 3867 Valeriana *laxiflora* DC.
 3868 ~~orchid~~ *Asarca Commersonii* Hook.
 3869 Valeriana *carnosa* Sm.
 3870 ~~Lathyrus~~ *Vicia apiculata* Ph.
 3871 Lathyrus *multiceps* Clos.
 3872 Geranium *magellanicum* Hook.
 3873 Geranium *submolle* Steud.
 3874 Polygonum *lapathifolium* L. (= no. 32 34)
 3875 ~~rham.~~ *Discaria serratifolia* (Miers) Benth. Hook.
 3876 Calceolaria *biflora* Cav.
 3877 Valeriana *carnosa* Sm.
 3878 ~~Pernettya~~ *Pernettya leucocarpa* DC
 3879 Ranunculus *peduncularis* Sm.
 3880 Berberis *empetrifolium* Lam.

no 3020
 3647) *Luzula Leiboldii* Buchten (not *L. chilensis*)

Plants of Chile and Peru received from Father Pirion, Jan. 1938.
determined at the Gray Herbarium by I. M. Johnston

135 number

- 3890 Polypogon *lutosus* (Pers.) Hitchc.
- 3891 Bromus *unioloides* HBK
- 3892 Cenchrus *myosuroides* HBK.
- 3893 ~~Scirpus~~ *Cyperus alternifolius* L.
- 3894 ~~Paspalum~~ *Eriochloa punctata* (L.) Desv.
- 3895 Scirpus *americanus* Pers.
- 3896 Scirpus *ceruus* Vahl
- 3897 Solanum *nigrum* L.
- 3898 Melilotus *indica* (L.) All.
- 3899 Coldenia *paryonichia* Phil
- 3900 Cestrum *auriculatum* R. & P.
- 3901 Lippia *reptans* HBK
- 3902 Verbena *hispida* R. & P.
- 3903 Waltheria *ovata* Cav.
- 3904 Clematis *Hilarii* Spreng.
- 3905 Alternanthera *halimifolia* (Lam.) Standley
- 3906 Trixis *radialis* (L.) Lag.
- 3907 Ambrosia *sp.*
- 3908 Grindelia *glutinosa* (Cav.) Dunal
- 3909 Nicotiana *glauc* Graham
- 3910 Lycopersicum *peruvianum* Mill.
- 3911 Equisetum *giganteum* L. det. Weatherby.
- 3912 Phragmites ?
- 3913 Lycopersicum *peruvianum* Mill.
- 3914
- 3915 *Nolana Gayana* (Gand.) Koch.
- 3916 Paspalum *sp.*
- 3917 ~~er~~ *Eriochloa punctata* (L.) Desv.
- 3918 Polypogon *elongatus* HBK
- 3919 ~~er~~ *Eriochloa punctata* (L.) Desv.

area
↓
Sept
Tuna

- Pirion 3
- 3920 ~~grasses 2~~ *Setaria geniculata* (Lam.) Beauv.
- 3921 Sporobolus ~~Ber~~ *Berteroanus* (Trin.) Hitch. & Chase
- 3922 ~~grasses~~ *Ichnanthus minarum* (Nees) Doell
- 3923 Cynodon *Dactylon* (L.) Pers.
- 3924 Bouteloua sp.?
- 3925 ~~grasses~~ *Setaria geniculata* (Lam.) Beauv.
- 3926 *Echinochloa crus-galli* L.
- 3927 *Spergularia pycnantha* Roebb. ined. (= no. 1164 and 2647)
- 3928 Senecio *Brunonianus* H. & A.
- 3929 Cassia *cognimbensis* Vog
- 3930 *Heliotropium arborescens* L.
- 3931 *Heliotropium pilosum* Rob. var. albatum Johnston
- 3932 *Nolana humifusa* (Gouan) Johnston
- 3933 *Oenothera rosea* Ait.
- 3934 *Oenothera laciniata* Hill.
- 3935 *Tournefortia microcalyx* (R. & P.)
- ~~3915 Helena~~

- ✓
Concepcion
- 3936 Cynodon *Dactylon* (L.) Pers.
3937 Distichlis *halanica* (HBK) Desv.
3938 Bromus *unioides* HBK.
3939 Eleocharis *bonariensis* Nees
3940 Scirpus *sp.*
3941 Scirpus *nodosus* Rottb.
3942 Scirpus *sp.*
3943 Scirpus *repens* Presl
3944 Calandrinia *glauca* Schrad.
3945 --- nix
3946 Astragalus *amatus* Clos
3947 Astragalus *Edmonstonei* (Hook.) Robins.
3948 Sisyrinchium *geminifolium* Lindl.
3949 Nolana *paradoxa* Lindl.
3950 Convolvulus *Soldanella* L.
3951 Polygonum *chilense* Koch.
? 3953 Tweedia *confertiflora* (Dane.) Malme.
3953 Leucheria *senecioides* HBK.
3954 Gnaphalium *Chamissonis* DC.
3955 Plantago *hispidula* R. & P.
3956 Oenothera *sp.*
3957 Rumex *cuneifolius* Campd.
3958 Eleocharis *bonariensis* Nees
3959 Oenothera *contorta* Dougl.
✓ 3960 ~~grass~~ *Nassella chilensis* Desv.
3961 ~~Muhlenbergia~~ *Poa* *sp.*
Concepcion. 3962 Melica *violacea* Cav.
3963 Briza *subaristata* Lam.
3964 Briza *subaristata* Lam.
3965 Briza *maxima* L.
3966 ~~Stipa~~ *Nassella*
3967 Hordeum *chilense* Brong.

- 3968 *Trisetum spicatum* (L.) Richt.
 3969 *Festuca* sp.
 3970 *Poa* sp.
 3971 *Poa* sp.
 3972 ~~grass~~ *Piptochaetium tuberculatum* Desv.
 3973 *Bromus rigidus* Roth.
 3974 *Polypogon crinitus* Trin
 3975 *Danthonia chilensis* Desv.
 3976 *Osmorrhiza Berteri* DC.
 3977 *Solanum* sp. (= 1102904)
 3978 *Solanum crispum* R. & P.
 3979 *Sanicula liberta* R. & S.
 3980 ~~comp~~ *Calendula arvensis* L.
 3981 *Calceolaria* sp.
 3982 *Ribes punctatum* R. & P.
 3983 *Verbena laciniata* (L.) Bory.
 3984 *Chaptalia exscapa* (Pers.) Baker
 3985 ~~comp~~ *Chevreulia lanceolata* Remy
 3986 *Gnaphalium americanum* Mill.
 3987 *Oxalis parvifolia* DC.
 3988 *Oxalis rosia* Joeg.
 3989 *Nasturtium* sp. (specimen poor)
 3990 ~~comp~~ *Chiropetalum tricuspidatum* (Lam.) Juss.
 3991 ~~comp~~ *Micropsis nana* DC.
 3992 ~~comp~~ *Hymenophyllum tunbridgense* (L.) Sm. det. Weatherby.
 3993 *Alchemilla arvensis* (L.) Scop.
 3994 *Geranium intermedium* Colla
 3995 *Oenothera stricta* Ledeb. and *Oe. mollissima* L.
 3996 ~~comp~~ *Luzuriaga radicans* R. & P.
 3997 *Betula pendula* Roth det. Rehder
 3998 *Lathyrus hookeri* Don

- 3999 *Vicia sativa* L.
 4000 *Centella triflora* (R.P.) Maunf.
 4001 *Stachys Macraei* Benth
 4002 *Nothoscordium gramineum* (Lam.) Beauv
 4003 " " " "
 4004 ~~comp~~ *Anthemis mixta* L?
 4005 *Myosotis azorica* Wats.
 4006 *Calandrinia compressa* Schrad.
 4007 orchid
 4008 orchid
 4009 *Paronychia chilensis* DC.
 4010 *Linum selaginoides* Lam.
 4011 *Spergularia rubra* (L.) Presl
 4012 *Veronica arvensis* L.
 4013 *Hybanthus parviflorus* (Mun.) Baill.
 4014 ~~fern~~ *Polystichum* sp.
 4015 ~~fern~~ *Hypolepis punctata* (Thunb.) Mett. sens. lat.
 4016 ~~fern~~ *Blechnum asperum* (Kl.) Sturm sed segmentis sulcatis acutis.
 4017 ~~fern~~ *Polypodium Feuillesi* Bert.
 4018 ~~fern~~ *Asplenium trilobum* Cav.
 19 + *Asplenium doreoides* Desv.
 29 + *Trichomanes exsectum* Kze.
 21 ~~fern~~ *Adiantum chilense* Kaulf.
 22 ~~fern~~ *Blechnum auriculatum* Cav.
 4023 *Spergularia villosa* (Pers.) Camb. (= no. 637, 639 and 2992)
 4024 *Spergularia* " " "
 4025 ~~Boerhaavia~~ *Morabilis prostrata* (R.P.) Hemerol (= no. 825)

Det. Weatherly